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Bonus:
Zabezpecte vymenu aspom piatich roznych signalov dvomi medzi procesmi. Pri kazdej vymene signalu vypiste co sa prave deje z pohladu procesov. Za tym vypiste jednu pouzivatelom definovanu spravu, ktoru vyberiete ako dalsi argument z pola argumentov obdrzanych pri spustani skriptu.

```bash
#!/bin/bash
USER_MESSAGE=$1
function handle_signal1() {
   echo "script1 received SIGUSR1"
   kill -USR2 $CHILD_PID
}
function handle_signal2() {
   echo "script1 received SIGUSR2"
   echo "script1 says: '$USER_MESSAGE'"
}
# traps
trap 'handle_signal1' USR1
trap 'handle_signal2' USR2
#start the child process
echo "script1: Starting child process..."
./second_script.sh "$USER_MESSAGE" &
CHILD_PID=$!
echo "script1: Child process started with PID $CHILD_PID."
# Loop to wait for signals
while :; do
   wait
done
```

Skript 2
```bash
#!/bin/bash
USER_MESSAGE=$1
function handle_signal1() {
   echo "script2 received SIGUSR1."
   kill -USR2 $PARENT_PID
}
function handle_signal2() {
   echo "script2 received SIGUSR2"
   echo "script2 says '$USER_MESSAGE'"
}
# Setup traps
trap 'handle_signal1' USR1
trap 'handle_signal2' USR2
# id of parent / the script that called it
PARENT_PID=$PPID
echo "script2 running with PID $$, parent PID is $PARENT_PID."
#send and receive
for i in {1..5}; do
   echo "script2 sending SIGUSR1 to parent (attempt $i)..."
   kill -USR1 $PARENT_PID
   sleep 1
done
```

script1: Starting child process...

script1: Child process started with PID 3405.
script2 running with PID 3405, parent PID is 3404.
script2 sending SIGUSR1 to parent (attempt 1)...
script1 received SIGUSR1
script2 received SIGUSR2
script2 says 'mycustomMessage'
script2 sending SIGUSR1 to parent (attempt 2)...
script1 received SIGUSR1
script2 received SIGUSR2
script2 says 'mycustomMessage'
script2 sending SIGUSR1 to parent (attempt 3)...
script1 received SIGUSR1
script2 received SIGUSR2
script2 says 'mycustomMessage'
script2 sending SIGUSR1 to parent (attempt 4)...
script1 received SIGUSR1
script2 received SIGUSR2
script2 says 'mycustomMessage'
script2 sending SIGUSR1 to parent (attempt 5)...
script1 received SIGUSR1
script2 received SIGUSR2
script2 says 'mycustomMessage'